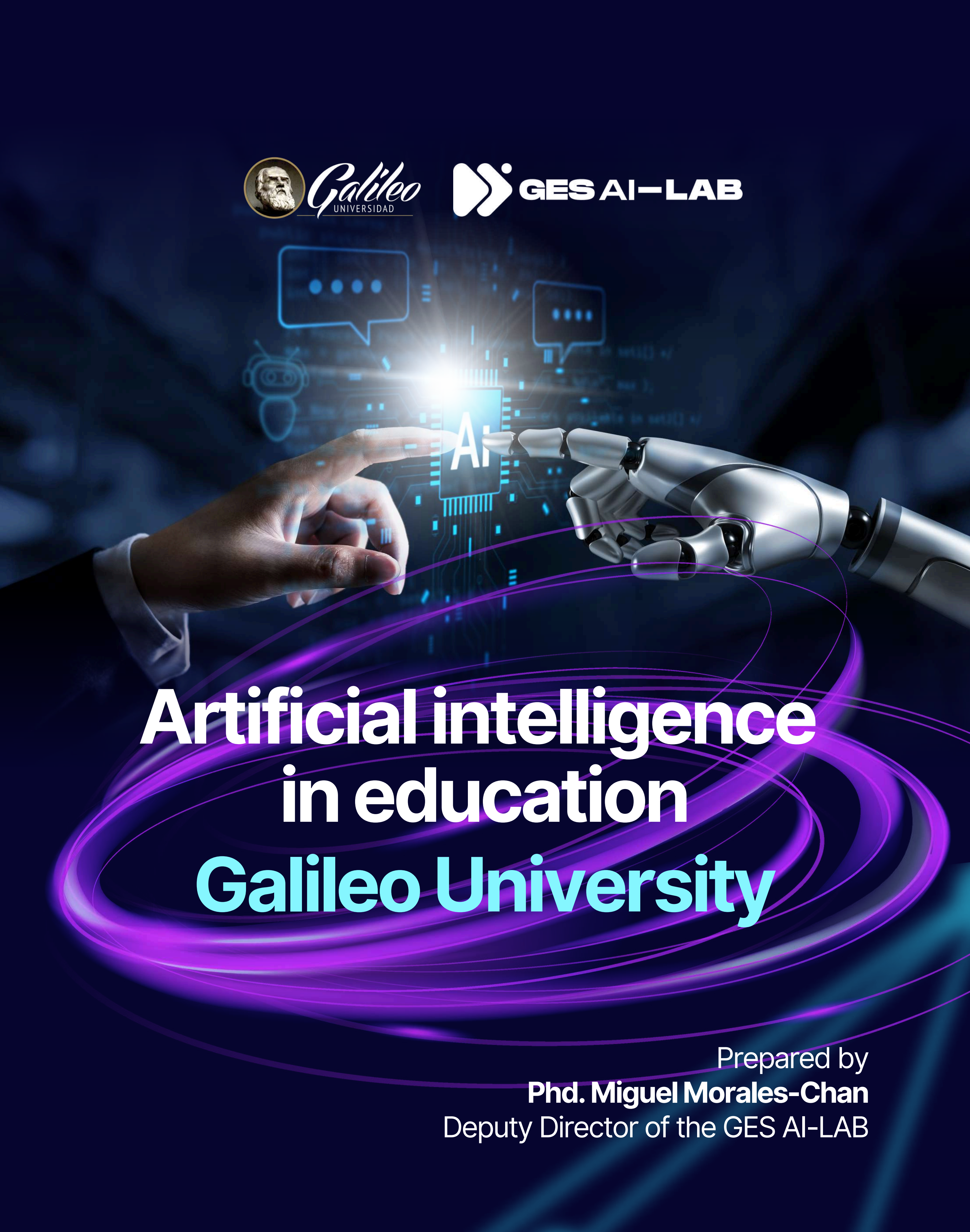


Galileo
UNIVERSIDAD



GES AI-LAB



Artificial intelligence in education

Galileo University

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1.

Experience and track record of Universidad Galileo in Artificial Intelligence

1.1 MOOCs

Universidad Galileo has established itself as a pioneering institution in the integration of Artificial Intelligence (AI) within the educational field, emphasizing innovation and delivering measurable results in the development of MOOCs and specialized workshops. Our expertise includes the creation of seven high-impact courses on edX, which have reached thousands of students worldwide.

- [Transforming Education with AI: ChatGPT](#)
- [Artificial Intelligence Tools for Productivity: Beyond ChatGPT](#) (in collaboration with Universidad Politécnica de Valencia)
- [The Importance of Ethics in the Age of Artificial Intelligence](#)
- [Introduction to Artificial Intelligence: Key Algorithms](#)
- [Unlocking the Power of Generative AI with ChatGPT for Higher Education](#)
- [Intro to AI for Digital Marketing](#) (in collaboration with Davidson College)
- [AI Technology for Marketing Optimization](#) (in collaboration with Davidson College)
- [AI for Marketing Strategy and Creativity](#) (in collaboration with Davidson College)

1.2 Development of Advanced AI Training Programs

The development of advanced training programs in Artificial Intelligence represents a strategic commitment to educational excellence and the preparation of highly skilled professionals in key areas. These programs aim not only to convey theoretical knowledge but also to provide practical, hands-on experiences that enable participants to lead digital transformation in their respective fields. The courses and certifications range from business productivity to educational innovation, aligning with the current and future demands of the global market.

- [Certification in Generative AI for Business Productivity](#)
- [Certification in Generative AI Applied to Education](#)
- [Course: AI Tools to Enhance Productivity](#)
- [Course: Digital Marketing with AI](#)
- [Course: AI for Data Analysis](#)
- [Course: AI for Scientific Research](#)
- [Course: Educational Innovation with Artificial Intelligence](#)

1.3 International Workshops

Our practical experience has been enriched through the delivery of workshops and presentations in over 10 countries, including the United States, Germany, Portugal, Spain, Colombia, Mexico, Guatemala, among others. These workshops have been hosted at prestigious institutions such as MIT, Columbia University, Georgia Tech, Hasso-Plattner-Institute, Carlos III University of Madrid, Tecnológico de Monterrey, edX, and large-scale events organized by IEEE. More than 1,000 participants from 20+ countries have attended these workshops and conferences developed by Universidad Galileo.

- Organized by Georgia Tech for the [ACM Learning @ Scale 2024](#) Conference
- Workshop: "AI-Driven Content Creation: Revolutionizing Educational Materials" Georgia Institute of Technology, Atlanta, EEUU (Julio 2024)
- Organized by [IEEE World Engineering Education Conference \(EDUNINE2024\)](#) :
- Workshop: "[Educational Innovation through Generative Artificial Intelligence: Tools, Opportunities, and Challenges](#)".
- Award for the best workshop "[Workshop Impact Award](#)"
Universidad Galileo, Guatemala (Marzo 2024)
- Organized by Tecnológico de Monterrey (<https://ciie.mx/es/>)
 - [Workshop "Inteligencia Artificial aplicada a la Investigación Científica"](#)
 - Instituto Tecnológico de Monterrey, Monterrey, México (Enero 2024)
- Organized by edX "Global Forum 2023 edX".
 - Workshop: "[Generative AI for Boosting MOOC Production: Tools, Opportunities, and Challenges](#)".
 - Washington DC, EEUU (Octubre 2023)
- Organized by IEEE y MIT: IEEE Learning with MOOCS 2023 ([LWMOOCS](#))
 - Workshop: [Generative AI for Boosting MOOC Production: Tools, Opportunities and Challenges](#)
 - Massachusetts Institute of Technology, Boston, EEUU (Octubre 2023)
- Organized by Hasso-Plattner-Institut, Potsdam, Alemania (EMOOCs 2023)
 - [Enhancing MOOCs with AI Generated Content: A Student-Centered Instructional Design Approach](#)
 - HPI, Potsdam, Alemania (Junio 2023)
- Organized by Universidad Carlos III de Madrid 2023
 - Workshop "Generative Artificial Intelligence in the Classroom: ChatGPT for Educators"
 - [Teaching Innovation Day: Challenges and Opportunities of AI in University Teaching at Universidad Carlos III de Madrid](#)
 - Universidad Carlos III de Madrid, España (Junio 2023)
- Organized by Department of Telematics at Universidad del Cauca in Popayán
 - Workshop: "[Enseñar y Aprender en tiempos de Inteligencia Artificial](#)"
 - Universidad del Cauca, Popayán, Colombia (Junio 2023)
- Organized by Universidad de San Buenaventura Cali, Colombia
 - Workshop: "[Inteligencia artificial en el aula: ChatGPT para profesores](#)"
 - Universidad de San Buenaventura Cali, Colombia (Junio 2023)
- Organized by Global Symposium Lx23 de la Universidad Aberta de Portugal
 - [Workshop: "Inteligencia Artificial aplicada a la educación"](#)
 - Universidad Aberta, Lisboa, Portugal (Abril 2023)

1.4 Publications Related to Artificial Intelligence

We reinforce our commitment to academic excellence through scientific publications in prominent conferences and journals, addressing topics such as the use of AI in instructional design, the integration of pedagogical chatbots, and the automated creation of content for MOOCs.

- H. R. Amado-Salvatierra, M. M. Chan and R. Hernandez-Rizzardini, "[WIP: ECOcredGT Implementing Digital Credentials in Continuous Training for the Labour Market](#)," in 2024 IEEE Frontiers in Education Conference (FIE), Washington, DC, USA, 2024, pp. 1-5, doi: 10.1109/FIE61694.2024.10893299.
- Morales-Chan, M., Amado-Salvatierra, H.R., Hernandez-Rizzardini, & Rosales, M. (2024). [Assessing Student Perceptions of Video Quality and Effectiveness From AI-Enhanced Digital Resources](#). IEEE Digital Education and MOOCS Conference (DEMOcon), pp 1-5
- Morales-Chan, M., Amado-Salvatierra, H. R., & Hernandez-Rizzardini, R. (2024). [AI-Driven Content Creation: Revolutionizing Educational Materials](#). In Proceedings of the Eleventh ACM Conference on Learning@ Scale (pp. 556-558).

- Morales-Chan, M., Amado-Salvatierra, H. R., Medina, J. A., Barchino, R., Hernández-Rizzardini, R., & Teixeira, A. M. (2024). [Personalized Feedback in Massive Open Online Courses: Harnessing the Power of LangChain and OpenAI API](#). Electronics, 13(10), 1960.
- Amado-Salvatierra, H. R., Morales-Chan, M., Hernandez-Rizzardini, R., & Rosales, M. (2024). [Exploring Educators' Perceptions: Artificial Intelligence Integration in Higher Education](#). In 2024 IEEE World Engineering Education Conference (EDUNINE) (pp. 1-5). IEEE.
- Morales-Chan, M., Amado-Salvatierra, H. R., & Hernandez-Rizzardini, R. (2024). Workshop: [Educational Innovation Through Generative Artificial Intelligence: Tools, Opportunities, and Challenges](#). In 2024 IEEE World Engineering Education Conference (EDUNINE) (pp. 1-2). IEEE.
- De-La Roca, M., Morales-Chan, M., Garcia-Cabot, A., Garcia-Lopez, E., & Amado-Salvatierra, H. (2024). [The impact of a chatbot working as an assistant in a course for supporting student learning and engagement](#). Computer Applications in Engineering Education, e22750.
- Morales-Chan, M., Amado-Salvatierra, H., & Hernández-Rizzardini, R. (2023). [Optimizing the design pedagogical decision-making and development of MOOCs through the use of AI-based tools](#). EMOOCs 2023, 95.
- Morales-Chan, M., Amado-Salvatierra, H. R., Hernandez-Rizzardini, R., & De La Roca, M. (2023). [The potential role of AI-based Chatbots in Engineering Education. Experiences from a teaching perspective](#). In 2023 IEEE Frontiers in Education Conference (FIE) (pp. 1-5). IEEE.
- Amado-Salvatierra, H. R., Morales-Chan, M., & Hernandez-Rizzardini, R. (2023). [Combining Human Creativity and AI-Based Tools in the Instructional Design of MOOCs: Benefits and Limitations](#). In 2023 IEEE Learning with MOOCs (LWMOOCs) (pp. 1-6). IEEE.
- Morales-Chan, M. A. (2023). [Explorando el potencial de Chat GPT: Una clasificación de Prompts efectivos para la enseñanza](#).
- Hernández-Rizzardini, R., Amado-Salvatierra, H. R., & Morales-Chan, M. (2021). [Integrating a conversational pedagogical agent into the instructional activities of a Massive Open Online Course](#). In Intelligent systems and learning data analytics in online education (pp. 31-45). Academic Press.

1.5 International Events (AI SUMMIT 2025)

The AI SUMMIT 2024 was a highly impactful international event, bringing together over 700 professionals from various countries and featuring more than 25 high-level international experts, including figures like Anant Agarwal (CEO of edX), Barbara Oakley, Fernando Valenzuela, and experts from Microsoft. This gathering stood out for offering keynote speeches, panel discussions, and hands-on workshops, solidifying itself as a key platform for knowledge sharing and experiences in the field of Artificial Intelligence.

1.6 A Leading Applied AI Lab in Latin America (GESAI-LAB)

The GESAI-LAB at Universidad Galileo is one of the few Applied Artificial Intelligence laboratories in Latin America, according to the Latin American Artificial Intelligence Index (ILIA) 2024. This space is dedicated to the development, implementation, and evaluation of innovative AI-based solutions, with a multidisciplinary approach encompassing education, industry, and scientific research.